

Title (en)

ELECTRIC DRIVE DEVICE AND ELECTRIC POWER STEERING DEVICE

Title (de)

ELEKTRISCHE ANTRIEBSVORRICHTUNG UND ELEKTRISCHE SERVOLENKVORRICHTUNG

Title (fr)

DISPOSITIF D'ENTRAÎNEMENT ÉLECTRIQUE ET DISPOSITIF DE DIRECTION ASSISTÉE ÉLECTRIQUE

Publication

EP 3879681 A4 20221207 (EN)

Application

EP 19898684 A 20191219

Priority

- JP 2018237774 A 20181219
- JP 2019049954 W 20191219
- JP 2019132223 A 20190717
- JP 2019176145 A 20190926

Abstract (en)

[origin: EP3879681A1] An electric drive device and an electric power steering device are provided that reduce the size of a motor in an axial direction parallel to a shaft and in a radial direction of the shaft. The electric drive device includes a bus bar module in which a connector, a first power supply terminal, a second power supply terminal, positive electrode bus bar wiring that electrically connects the connector to the first power supply terminal, and negative electrode bus bar wiring that electrically connects the connector to the second power supply terminal are integrally formed with the connector. The positive electrode bus bar wiring and the negative electrode bus bar wiring extend from the connector, bypass an extended line of the shaft, and are electrically connected to the circuit board in positions at distances from the connector larger than a distance from the connector to the extended line of the shaft.

IPC 8 full level

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CPC (source: EP US)

B62D 5/0406 (2013.01 - EP US); **B62D 5/0424** (2013.01 - US); **H02K 5/225** (2013.01 - EP US); **H02K 11/21** (2016.01 - US); **H02K 11/33** (2016.01 - EP US); **H02K 21/16** (2013.01 - EP US); **H02K 2203/09** (2013.01 - EP US)

Citation (search report)

- [A] US 2016036305 A1 20160204 - KAWATA HIROYUKI [JP], et al & JP 2016034204 A 20160310 - DENSO CORP
- [AD] JP 2007288929 A 20071101 - FUJITSU TEN LTD, et al
- [A] US 2017126104 A1 20170504 - YAMANAKA TAKAHIRO [JP] & JP 2017092100 A 20170525 - DENSO CORP
- See also references of WO 2020130107A1

Designated contracting state (EPC)

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